



Introduction

This document represents our best efforts to individually acknowledge those workers whose significant efforts have provided the data presented on this CD-ROM. At BODC, we know many of the workers in the community personally and have other sources of information such as cruise reports and OMEX project reports. From this, it should be possible to create a fairly complete inventory of those who have contributed. However, there are two caveats. First, we cannot hope to know precisely every individual contribution in such a large international community as OMEX. Secondly, we are only human and can make mistakes as easily as anyone else. So, if you find your name is missing from where it deserves to be, please do not take offence and accept our sincere apologies.

The acknowledgements are presented using the same logical structure as the data on the CD-ROM with the following data categories:

**OMEX II Database
Images**

**Underway and UOR Data
Moored Instrument Data Set**

Under the terms of the MAST data policy, all data on this CD-ROM product will have entered the public domain by the time it is published. However, it is still necessary to acknowledge the source of any data used in subsequent publications just as if the CD-ROM were a journal.

Sufficient information has been provided in this document, in the data documentation and as originator codes tagged to the data for the originators to be identified. It is suggested that data be acknowledged by reference to the originator (e.g. Borges, 2001) with the CD-ROM cited as 'OMEX II Data Set, CD-ROM electronic publication, British Oceanographic Data Centre, Liverpool, 2001.'

Images

Satellite Images

The Remote Sensing Data Analysis Service (RSDAS) at the Plymouth Marine Laboratory, UK provided the satellite images. **Peter Miller, Tim Smyth, Sam Lavender** and **Steve Groom** undertook the OMEX II work.

Kasten Core X-rays

Olivier Weber and **Jean-Marie Jouanneau**, from the University of Bordeaux, France provided X-rays of the Kasten cores as PDF images.

Sea Floor Photographs

John Humphery of the Proudman Oceanographic Laboratory provided the bed-hop photographs. **Tjeerd van Weering** from the Netherlands Institute for Sea Research (NIOZ) provided the BOBO time lapse photographs.

Underway Data Set and UOR Data

RRS Charles Darwin Cruises

The underway systems operation and initial data processing were undertaken on board ship by Research Vessel Services personnel, including **Paul Howarth, Dave Teare** and **Jeff Benson**. The computer operators were **Howie Anderson, Alan Taylor** and **Paul Duncan**. BODC undertook the post-cruise data processing and calibrations.

The underway meteorological data on CD110 were provided by **Toby Sherwin** from the University of Wales, Bangor.

Dissolved oxygen and carbonate system parameters were measured on CD110 and CD114 by **Alberto Borges**, supervised by **Michel Frankignoulle**, from the University of Liège, Belgium.

RV Belgica Cruises

The underway systems were operated on board ship by personnel from BMM, Ostend, Belgium, namely **Andre Pollentier, Joan Backers, Reinhilde Van den Brande** and **Jean-Pierre De Blauwe**. The BMM group also looked after the initial instrument calibration and data processing with additional calibration work by BODC.

Dissolved oxygen and carbonate system parameters were measured by **Alberto Borges**, supervised by **Michel Frankignoulle**, from the University of Liège, Belgium.

FS Meteor Cruise

The underway systems were operated by the technical personnel from Leitstelle METEOR during the cruise. Post-cruise processing and calibration was undertaken by BODC.

Dissolved oxygen and carbonate system parameters were measured by **Alberto Borges**, supervised by **Michel Frankignoulle**, from the University of Liège, Belgium.

Gregor Rehder and **Robin Keir** from GEOMAR, Kiel, Germany provided dissolved/atmospheric methane and pCO₂ measurements.

Instrumented CPR Tows

The instrumented CPR data were worked up and supplied by **Tony Walne**, **Lance Gregory** and **Peter Pritchard** from the Sir Alister Hardy Foundation for Ocean Science (SAHFOS).

RV Thalassa UOR Data

The UOR data were supplied by **Antonio Bode** from Instituto Español de Oceanografía (IEO), who acknowledges help from the technical assistants of RV Thalassa.

Moored Instrument Data Set

The OMEX II moored instrument data may be subdivided, in terms of acknowledgement, into the groups below. It goes without saying that no mooring deployment or recovery would be possible without the professional skills of the captains and crews of the vessels concerned. These are duly acknowledged.

IH Moorings

The Portuguese Marinha-Instituto Hidrográfico deployed a series of current meter moorings, including a thermistor chain on one deployment. These data were worked up and supplied to BODC by **João Vitorino**.

Trap Moorings

Avan Antia and **Rolf Peinert**, from Kiel University, Germany, supplied the current meter data from the sediment trap moorings.

CD114 Mooring

Mark Inall from University of Wales, Bangor (but now at the Scottish University of the Highlands and Islands) provided the S4 current meter and mini-logger temperature data from the CD114 short-term mooring.

P200 ADCP Deployment

Martin White from University College Galway, Ireland provided the data from the ADCP deployment at the OMEX II P200 station.

Lander Deployments

John Humphery and **Steve Moores** from the Proudman Oceanographic Laboratory, UK, deployed the STABLE II lander under the scientific direction of **John Huthnance**.

Tjeerd van Weering, **Henko de Stigter**, **Henk de Haas**, **Wim Boer**, **Lutz Lohse**, **Rikus Kloosterhuis**, **Henk Franken**, **Bob Koster** and **Jaap Kalf** from the Netherlands Institute for Sea Research deployed BOBO landers three times during OMEX II, returning near-bed current meter, hydrographic and suspended matter data.

The OMEX II Database

The OMEX II database contains the results of the work of a vast army of scientists from throughout Europe, which is amply demonstrated by what follows. Again, none of this data acquisition would have been possible without the professional expertise of the captains and crews of the research vessels concerned.

The acknowledgements have been split into the following groupings:

CTD Data

Other Instrument Profiles

Water Sample Data

Net Haul Data

Particle Flux Data

Benthic Data

Production Data

ADCP and Drifting Buoy Data

CTD Data

The OMEX II database contains over 1000 CTD profiles collected during 25 cruise legs. Many people contributed behind the scenes to the collection of these data. Where these are known they are listed, but in some cases all we know is who supplied the data to BODC.

RRS Charles Darwin Cruises

Research Vessel Services personnel on board ship undertook CTD operations and the initial data processing. The CTD operators were **Paul Howarth**, **Dave Teare** and **Jeff Benson**. The computer operators were **Howie Anderson**, **Alan Taylor** and **Paul Duncan**. The post-cruise data processing and calibrations were done by BODC.

RV Belgica Cruises

The CTD was operated on board ship by personnel from BMM, Ostend, Belgium, namely **Andre Pollentier**, **Joan Backers**, **Reinhilde Van den Brande** and **Jean-Pierre De Blauwe**. The BMM group also looked after instrument calibration and data processing.

FS Poseidon Cruise PS237_1

Rolf Peinert from Kiel University in Germany supplied the CTD data. Post-cruise calibrations were undertaken by BODC.

RV Almeida Carvalho Cruises

The CTD data were worked up and supplied by **João Vitorino** of the Portuguese Marinha-Instituto Hidrográfico.

RV Professor Shtokman and RV Thalassa Cruises

Antonio Bode of the Instituto Español de Oceanografía, Spain, supplied the CTD data and he acknowledges the help of the technical assistants from the two research vessels. Some post-cruise calibration work was undertaken by BODC.

FS Meteor Cruise M43_2

The CTD was operated during the cruise by **Roy Lowry** (BODC, UK), **Holger Pielenz** (University of Rostock, Germany) and **Ricardo Torres** (University of Wales, Bangor). BODC undertook the post-cruise calibration and data processing.

RV Pelagia Cruises

Netherlands Institute for Sea Research (NIOZ) personnel operated the CTD. The data were calibrated and supplied to BODC by **Dr. Hendrik van Aken** from NIOZ.

Other Instrument Profiles

The term 'Other Instrument Profiles' translates for OMEX II into XBT profiles profiling radiometers and FLY turbulence profiles.

XBT Profiles

The XBT probes were deployed on two Charles Darwin cruises by **Dave Teare** and **Jeff Benson** of Research Vessel Services, UK. BODC post-processed the data.

Profiling Radiometers

There were four groups collecting profiling radiometer data during OMEX II. Profiles were collected on all Belgica cruises by **Andre Pollentier**, **Joan Backers**, **Reinhilde Van den Brande** and **Jean-Pierre De Blauwe** from BMM, Ostend, Belgium.

Tim Smyth from Plymouth Marine Laboratory, UK collected additional data during the 1998 Belgica cruises.

Gavin Tilstone and **Luisa Martinez**, under the direction of **Paco Figueiras** from Instituto de Investigaciones Marinas, Vigo, Spain collected radiometer profiles during one Belgica and two Charles Darwin cruises.

Antonio Bode of the Instituto Español de Oceanografía, Spain supplied radiometer data from the RV Professor Shtokman cruise.

FLY Turbulence Probe Profiles

Mark Inall, **Ray Wilton** and **Toby Sherwin** from University of Wales, Bangor, operated the FLY probe on two Charles Darwin cruises.

Water Sample Data

The water sample data from OMEX II represents the work of many, many scientists and technical staff. Preparing the acknowledgement list was a truly daunting task and giving an impression of who did what was even more problematical. Our best attempt was to subdivide the data in the same manner as the data documentation, which is what follows.

Nutrients

Nutrients were measured by several groups during OMEX II:

Natacha Brion and Marc Elskens from Brussels Free University (VUB), Belgium.

Lei Chou from Brussels Free University (ULB), Belgium.

Pepe Alvarez-Salgado from IIM, Vigo, Spain.

Wim Helder, Lutz Lohse and Eric Epping from the Netherlands Institute for Sea Research (NIOZ) with analytical assistance from **Karel Bakker, Evaline van Weerlee and Jan van Ooijen**.

Malcolm Woodward, Andy Rees and Georgina Spyres from the Plymouth Marine Laboratory, UK.

Peter Fritsche from Institut für Meereskunde, Kiel, Germany analysed samples on the Poseidon cruise. **Rolf Peinert** of Kiel University supplied the data.

Katja Heeschen from GEOMAR, Kiel, Germany analysed phosphates on the Meteor cruise. The data were supplied by **Robin Keir**, also from GEOMAR.

Antonio Bode of the Instituto Español de Oceanografía, Spain, assisted by **R. Carballo**.

Ammonium Oxidation Rate

These measurements were made by **Andy Rees** working with **Ian Joint**, both from Plymouth Marine Laboratory, UK.

Particulate Total Carbon, Organic Carbon, Total Nitrogen and Silica

The following scientists and groups made measurements of these parameters.

Aurora Rodrigues of the Marinha-Instituto Hidrográfico, Portugal, working with **Jean-Marie Jouanneau** and **Olivier Weber** from the University of Bordeaux, France.

Natacha Brion and **Marc Elskens** from Brussels Free University (VUB), Belgium.

Lei Chou from Brussels Free University (ULB), Belgium.

Laurenz Thomsen supported by **Anja Kaehler** from GEOMAR, Kiel, Germany.

Rolf Peinert supported by **Kerstin Nachtigall** from Kiel University, Germany.

Ian Hall working with **Nick McCave** from Cambridge University, UK.

Pepe Alvarez-Salgado from IIM, Vigo, Spain.

Antonio Bode of the Instituto Español de Oceanografía, Spain.

Dissolved Organic Carbon and Total Nitrogen

Three groups determined dissolved organic carbon and/or total nitrogen:

Georgina Spyres, supervised by **Axel Miller**, from Plymouth Marine Laboratory, UK.

Pepe Alvarez-Salgado from IIM, Vigo, Spain.

Antonio Bode of the Instituto Español de Oceanografía, Spain in collaboration with **S. Barquero**.

DOC/DON Rate Parameters

The rates of uptake and/or generation of DOC/DON were measured by the following groups:

Helena Galvão from UCTRA, University of the Algarve, Portugal with analytical support from **Georgina Spyres**, Plymouth Marine Laboratory, UK.

Rosa Barciela working with **Emilio Fernández** from Vigo University, Spain.

Antonio Bode of the Instituto Español de Oceanografía, Spain in collaboration with **S. Barquero**.

Carbonate System Parameters

Carbonate system parameters were determined by the following groups:

Alberto Borges, supervised by **Michel Frankignoulle** from the University of Liège, Belgium.

Wim Helder, **Lutz Lohse** and **Eric Epping** from the Netherlands Institute for Sea Research (NIOZ) with analytical assistance from **Karel Bakker**, **Evaline van Weerlee** and **Jan van Ooijen**.

Gregor Rehder and **Robin Kier** from GEOMAR, Kiel, Germany.

Inorganic Carbon-13 Enrichment

These data were supplied by **Robin Keir** from GEOMAR, Kiel, Germany, in collaboration with **H. Erlenkeuser** and **H. Cordt** from the Radiocarbon Laboratory at Kiel University.

Carbon, Nitrogen and Phosphorus Assimilation

^{14}C uptake rates at fixed light levels and photosynthetic parameter data were supplied by **Michèle Loijens** from Brussels Free University (ULB), Belgium.

^{15}N uptake (new and regenerated production) data were provided by **Natacha Brion** and **Marc Elskens** from Brussels Free University (VUB), Belgium.

Data from short ^{15}N uptake experiments were provided by **Andy Rees** and **Ian Joint** from the Plymouth Marine Laboratory, UK.

^{32}P and some ^{14}C uptake rates were measured by **Lei Chou** and **Kinh Trang Dotansi** from Brussels Free University (ULB), Belgium.

Gavin Tilstone and **Luisa Martinez**, under the direction of **Paco Figueiras** from Instituto de Investigaciones Marinas, Vigo, Spain measured photosynthetic parameters. Further derived photosynthetic and production parameters, computed from these data combined with PAR profiles, were also supplied.

Rosa Barciela working with **Emilio Fernández** from the University of Vigo, Spain supplied hourly-normalised, size-fractionated ^{14}C data.

Pigment Absorption Spectra

Gavin Tilstone and **Luisa Martinez**, under the direction of **Paco Figueiras** from Instituto de Investigaciones Marinas, Vigo, Spain supplied these data.

Pigments

Pigments were determined by the following workers during OMEX II:

Denise Cummings, **Carole Llewellyn** and **Stuart Gibb**, under the direction of **Fauzi Mantoura**, all from the Plymouth Marine Laboratory, UK.

Alberto Borges, supervised by **Michel Frankignoulle**, from the University of Liège, Belgium.

Lei Chou from Brussels Free University (ULB), Belgium.

Andre Pollentier, **Joan Backers**, **Reinhilde Van den Brande** and **Jean-Pierre De Blauwe** from BMM, Ostend, Belgium collected samples that were analysed by **Ivan Swyngedouw**.

Gavin Tilstone and **Luisa Martinez**, under the direction of **Paco Figueiras** from Instituto de Investigaciones Marinas, Vigo, Spain.

Laurenz Thomsen, supported by **Anja Kaehler** (biogeochemical analyses) and **Thomas Viergutz** (instrument development), from GEOMAR, Kiel, Germany.

Alan Pomroy, **Andy Rees**, **Elaine Fileman** and **Ian Joint** from the Plymouth Marine Laboratory, UK.

Gerard Duineveld and **Marc Lavaleye** from the Netherlands Institute of Sea Research (NIOZ).

Bacterial Production, Abundance and Characteristics

Alan Pomroy and **Ian Joint** from Plymouth Marine Laboratory, UK, determined bacterial production by thymidine and leucine incorporation.

Karl-Paul Witzel (Max-Planck Institute, Ploen, Germany) and **Will Ritzrau** (IfM Kiel, Germany) in collaboration with **Laurenz Thomsen** (GEOMAR, Kiel, Germany) determined bacterial abundance, biomass and size. Technical assistance was provided by **Elke Blohm-Sievers**.

Helena Galvão, **Ana Barbosa**, **Pedro Mendes** and **Carlos Rocha** from the University of the Algarve in Portugal measured bacterial biomass, production, growth efficiency and loss by grazing.

Suspended Particulate Material Concentration and Characterisation

Gravimetric SPM concentration was measured by the following groups:

Tjeerd van Weering, **Henko de Stigter** and **Henk de Haas** from the Netherlands Institute for Sea Research.

Aurora Rodrigues of the Marinha-Instituto Hidrográfico, Portugal. Aurora also provided SPM grain size data.

Nick McCave and **Ian Hall** from Cambridge University, UK,

Laurenz Thomsen from GEOMAR, Kiel, Germany. Laurenz also provided data on aggregate concentration and size.

Particulate Trace Metals

Particulate trace metals on pumped and centrifuged samples were determined by **Lei Chou**, **Olivier Dufour** and **Nathalie Roevros** from Brussels Free University (ULB), Belgium.

Methane and Nitrous Oxide

Dissolved methane data were collected by **Gregor Rehder** and **Robin Keir** from GEOMAR, Kiel, Germany.

Andy Rees and **Ian Joint** provided the dissolved nitrous oxide data.

Dissolved Oxygen

Dissolved oxygen determinations by Winkler titration were made by the following groups during OMEX II.

Wim Helder, Lutz Lohse and Eric Epping from the Netherlands Institute for Sea Research (NIOZ) with analytical assistance from **Rikus Kloosterhuis and Erica Koning**.

Alberto Borges and Claire Daemers, under the direction of **Michel Frankignoulle**, all from the University of Liège, Belgium.

Emilio Fernández from Vigo University, Spain.

Oxygen Production and Total Community Respiration

Emilio Fernández from Vigo University, Spain made the OMEX II oxygen production and respiration measurements.

Microzooplankton Biomass and Grazing

Microzooplankton abundance, biomass and grazing data were provided by **Elaine Fileman**, under the direction of **Peter Burkill**, from the Plymouth Marine Laboratory, UK.

Phytoplankton and Cyanobacteria Cell Counts

The following groups provided abundance and/or biomass data for these groups:

Gavin Tilstone and Luisa Martinez, under the direction of **Paco Figueiras** from Instituto de Investigaciones Marinas, Vigo, Spain.

Elaine Fileman, under the direction of **Peter Burkill**, from the Plymouth Marine Laboratory, UK.

Antonio Bode of the Instituto Español de Oceanografía, Spain,

Zooplankton Data

Some zooplankton data, such as faecal pellet counts and TEP concentration measurements, were obtained from water samples by **Christian Riser**, under the direction of **Paul Wassmann**, from University of Tromsø in Norway.

Radionuclides

The OMEX II radionuclide data were collected by **Sabine Schmidt** from CNRS, Gif-sur-Yvette, France.

Net Haul Data

CPR Data

The Continuous Plankton Recorder data were supplied by **Sonia Batten** from The Sir Alister Hardy Foundation for Ocean Science, Plymouth, UK with the data handling assistance of **Tony John, Tanya Jones, David Johns, Julie Finlayson, Rebecca Allen, Claire Wotton, Clare Buckland, Martin Edwards, Paul Tranter, Roger Barnard, Andrew Warner, Darren Stevens, Alistair Lindley** and **Harry Hunt**. Their thanks go to the captains and crews of the many 'ships of opportunity' that collected the samples.

Mesozooplankton Abundance and Biomass

These data were provided by the following groups of workers:

Andrew Hirst, Philippe Guyard and **Richard Lampitt** from Southampton Oceanography Centre, UK.

Ricardo Anadón, Alejandro Isla, Sara Caballos, Florentina Álvarez, Angel López-Urrutia, José Luis Acuña, Sergio Cabrera, Jorge Álvarez-Sostres and **Esteban Cabal** from the University of Oviedo, Spain.

Elisabeth Halvorsen, under the direction of **Kurt Tande**, from the University of Tromsø, Norway.

Mesozooplankton Gut Pigments

These data were provided by the following groups of workers:

Ricardo Anadón, Alejandro Isla, Sara Caballos, Florentina Álvarez, Angel López-Urrutia, José Luis Acuña, Sergio Cabrera, Jorge Álvarez-Sostres and **Esteban Cabal** from the University of Oviedo, Spain.

Elisabeth Halvorsen, under the direction of **Kurt Tande**, from the University of Tromsø, Norway.

Mesozooplankton Sizes

These data were supplied by the following groups:

Andrew Hirst, Philippe Guyard and Richard Lampitt from Southampton Oceanography Centre, UK.

Sonia Batten from the Sir Alister Hardy Foundation for Ocean Science, Plymouth, UK.

Mesozooplankton Egg Production

The mesozooplankton egg production data were supplied by the group from the University of Oviedo, Spain, namely **Ricardo Anadón, Alejandro Isla, Sara Caballos, Florentina Álvarez, Angel López-Urrutia, José Luis Acuña, Sergio Cabrera, Jorge Álvarez-Sostres** and **Esteban Cabal**.

Gut Evacuation and Faecal Pellet Production

These parameters were measured by the following groups:

Ricardo Anadón, Alejandro Isla, Sara Caballos, Florentina Álvarez, Angel López-Urrutia, José Luis Acuña, Sergio Cabrera, Jorge Álvarez-Sostres and **Esteban Cabal** from the University of Oviedo, Spain.

Christian Riser, under the supervision of **Paul Wassmann**, from the University of Tromsø, Norway.

Mesozooplankton Respiration and Excretion Experiments

These experiments were carried out by the group from the University of Oviedo, Spain, namely **Ricardo Anadón, Alejandro Isla, Sara Caballos, Florentina Álvarez, Angel López-Urrutia, José Luis Acuña, Sergio Cabrera, Jorge Álvarez-Sostres** and **Esteban Cabal**.

Mesozooplankton Grazing Experiments

Direct experimental measurements of mesozooplankton grazing were made by **Sonia Batten** from the Sir Alister Hardy Foundation for Ocean Science, Plymouth, UK.

Particle Flux Data

Moored Sediment Traps

The successful deployment and recovery of the moored sediment traps owes much to the skills of captains and crew of RV Pelagia, FS Poseidon and FS Meteor.

The traps were prepared and the samples collected by **Avan Antia** and **Rolf Peinert** from Kiel University, Germany. They were also responsible for the initial sample preparation (picking swimmers and splitting the samples) and the determination of dry weight, particulate organic carbon and nitrogen, biogenic silica, algal pigment and the microscopic enumeration of organism fluxes. Avan and Rolf also supplied $\delta^{15}\text{N}$ determinations on trap material obtained in collaboration with **M. Voss** from the Institut für Ostseeforschung, Warnemünde, Germany.

The prepared and split trap samples were submitted to the following groups for further parameter and flux determinations:

Nathalie Fagel (University of Liège, Belgium) under the supervision of **Frank Dehairs** (Brussels Free University (VUB), Belgium) supplied trace metal flux and concentration data.

Trace metal and carbon fluxes were determined by **Lei Chou**, **Olivier Dufour**, and **Nathalie Roevros** from Brussels Free University (ULB), Belgium.

Radioisotope data were supplied by **Sabine Schmidt** from CNRS, Gif-sur-Yvette, France.

Drifting Sediment Traps

The University of Tromsø, Norway deployed drifting sediment traps. **Christian Riser** and **Kalle Olli**, under the supervision of **Paul Wassmann**, determined fluxes of carbon, nitrogen, pigments, taxa, faecal pellets and TEP.

Lander Sediment Traps

Marc Lavaleye and **Gerard Duineveld** from the Netherlands Institute of Sea Research (NIOZ) determined pigment fluxes, using the traps fitted to the ALBEX lander.

Benthic Data

Core Profile Data

The OMEX II core profile data set is the result of the work of many scientists. The acknowledgements are presented using the same parameter groupings that were used in the data documentation:

Magnetic Susceptibility

Magnetic susceptibility was measured by two groups:

Ian Hall and **Nick McCave** from Cambridge University, UK.

Tjeerd van Weering, Henko de Stigter, Henk de Haas, Wim Boer, Lutz Lohse, Rikus Kloosterhuis, Henk Franken, Bob Koster and **Jaap Kalf** from the Netherlands Institute for Sea Research (NIOZ).

Sediment Grain Size

The following groups determined sediment grain size parameters:

Jean-Marie Jouanneau and **Olivier Weber** from the University of Bordeaux, France.

Tjeerd van Weering, Henko de Stigter, Henk de Haas, Wim Boer, Lutz Lohse, Rikus Kloosterhuis, Henk Franken, Bob Koster and **Jaap Kalf** from the Netherlands Institute for Sea Research (NIOZ).

Tomasz Boski and **Paulo Miguel Pedro** from the University of the Algarve, Portugal.

Nick McCave and **Ian Hall** from Cambridge University, UK.

Els Flach, Carlo Heip and **Adri Sandee** from the Centre for Estuary and Marine Research at the Netherlands Institute of Ecology (NIOO-CEMO).

Alveirinho Diaz and **Carla Garcia** from the University of the Algarve, Portugal.

Aurora Rodrigues of the Marinha-Instituto Hidrográfico, Portugal.

Laurenz Thomsen from GEOMAR, Kiel, Germany.

Flo Peine and **Uli Franke** from Univeritat Röstock, Germany under the supervision of **Gerhard Graf**.

Sediment Amino Acid Content and Mineralogy

Tomasz Boski and **Paulo Miguel Pedro** from the University of the Algarve, Portugal provided these data.

Sediment Organic Carbon, Inorganic Carbon and Nitrogen

The following groups measured carbon and nitrogen in sediments:

Wim Helder, Lutz Lohse Eric Epping and **Rikus Kloosterhuis** from the Netherlands Institute for Sea Research (NIOZ).

Tjeerd van Weering, Henko de Stigter, Henk de Haas, Wim Boer, Lutz Lohse, Rikus Kloosterhuis, Henk Franken, Bob Koster and **Jaap Kalf** from the Netherlands Institute for Sea Research (NIOZ).

Nick McCave and **Ian Hall** from Cambridge University, UK.

Tomasz Boski and **Paulo Miguel Pedro** from the University of the Algarve, Portugal.

Jean-Marie Jouanneau and **Olivier Weber** from the University of Bordeaux, France.

Els Flach, Carlo Heip, Jack Middelburg and **Adri Sandee** from the Centre for Estuary and Marine Research at the Netherlands Institute of Ecology (NIOO-CEMO).

Solid Phase Chemistry

The following groups determined profiles of sediment chemistry along cores:

Sabine Schmidt from CNRS, Gif-sur-Yvette, France.

Tjeerd van Weering, Henko de Stigter, Henk de Haas, Wim Boer, Lutz Lohse, Rikus Kloosterhuis, Henk Franken, Bob Koster and Jaap Kalf from the Netherlands Institute for Sea Research (NIOZ).

Tomasz Boski and **Paulo Miguel Pedro** from the University of the Algarve, Portugal.

Pigments

Pigments were determined by:

Flo Peine and **Uli Franke** from Univeritat Röstock, Germany under the supervision of **Gerhard Graf**.

Marc Lavaleye and **Gerard Duinveld** from the Netherlands Institute for Sea Research (NIOZ).

Radioisotopes

Scientists from three laboratories measured radioisotope profiles:

Sabine Schmidt from CNRS, Gif-sur-Yvette, France.

Tjeerd van Weering, Henko de Stigter, Henk de Haas, Wim Boer, Lutz Lohse, Rikus Kloosterhuis, Henk Franken, Bob Koster and Jaap Kalf from the Netherlands Institute for Sea Research (NIOZ).

Jean-Marie Jouanneau and **Olivier Weber** from Bordeaux University, France.

Stable Isotopes

The following made stable isotope measurements on sediments:

Nick McCave and **Ian Hall** from Cambridge University, UK.

Sabine Schmidt from CNRS, Gif-sur-Yvette, France.

Foraminiferal Coiling

Foraminifera were picked, identified and counted by **Henko de Stigter** working with **Tjeerd van Weering** and **Henk de Haas** from the Netherlands Institute for Sea Research (NIOZ).

Sedimentary Diatom Counts

The core samples were examined and enumerated by **Roberto Bao Casal** from Universidade da Coruña, Spain, working in collaboration with **Tjeerd van Weering** from the Netherlands Institute for Sea Research (NIOZ).

Total Macrofauna Abundance

Carlo Heip's group, from the Centre for Estuary and Marine Research at the Netherlands Institute of Ecology (NIOO-CEMO), supplied the total benthic macrofauna abundance profiles to the OMEX II database. **Els Flach** sorted, identified and counted the specimens.

Pore Water Dissolved Oxygen and Resistivity

Pore water oxygen and resistivity profiles were measured both *in-situ* and on deck by **Wim Helder**, **Lutz Lohse** and **Eric Epping** from the Netherlands Institute for Sea Research (NIOZ) with assistance from **Rikus Kloosterhuis**, **Erica Koning** and **Claar van der Zee**.

Pore Water Solutes

Pore water nutrients and total dissolved carbon were measured by **Wim Helder**, **Lutz Lohse** and **Eric Epping** from the Netherlands Institute for Sea Research (NIOZ) with technical assistance from **Rikus Kloosterhuis**, **Erica Koning**, **Claar van der Zee**, **Karel Bakker** and **Jan van Ooijen**.

Sediment Erosion Resistance

Sediment erosion resistance was determined by **Laurenz Thomsen**, **Claudia Thomsen** and **Volker Karpen** from GEOMAR, Kiel, Germany.

Sediment Redox Potential

João Luis da Silva Curdia, from the University of the Algarve, Portugal made and supplied the sediment redox potential measurements.

Whole Core Data

Sediment Oxygen Demand

Two groups determined sediment oxygen demand:

Marc Lavaleye and **Gerard Duinveld**, from the Netherlands Institute for Sea Research (NIOZ), collected both *in-situ* and on-deck data. They were assisted by **Rob Witbaard**, **Eilke Berghuis**, **Henk Franken**, **Jacob van der Weele**, **Martin Laan** and **Albert Kok**.

Flo Peine and **Uli Franke** from Univeritat Röstock, Germany under the supervision of **Gerhard Graf**.

Solute Fluxes

Solute fluxes were measured by **Wim Helder**, **Lutz Lohse** and **Eric Epping** from the Netherlands Institute for Sea Research (NIOZ) with technical assistance from **Rikus Kloosterhuis**, **Erica Koning**, **Claar van der Zee**, **Karel Bakker** and **Jan van Ooijen**.

Benthic Megafauna Data

Marc Lavaleye and **Gerard Duinveld** from the Netherlands Institute of Sea Research (NIOZ) supplied the benthic megafauna data on the CD-ROM.

Benthic Macrofauna Data

Benthic macrofauna data were supplied to the OMEX II database by **Carlo Heip's** group from the Centre for Estuary and Marine Research at the Netherlands Institute of Ecology (NIOO-CEMO). **Els Flach** sorted, identified and counted the specimens.

Benthic Meiofauna Data

The benthic meiofauna data on the CD-ROM are the results of the work of **Agnes Muthumbi** from the University of Ghent in collaboration

with **Carlo Heip** and **Els Flach** from the Centre for Estuary and Marine Research at the Netherlands Institute of Ecology (NIOO-CEMO).

Production Data

The term 'production data' covers radiotracer uptake data that may not be included with the main water bottle data set because the necessary metadata cannot be encoded into an 8-byte parameter code. This includes data from long (24 hour) incubation experiments and raw P:I curves (i.e. curves that have not been parameterised using the techniques of Trevor Platt's group).

Long incubation experiment data for ^{14}C , ^{15}N and ^{33}P were obtained by **Andy Rees, Alan Pomroy** and **Ian Joint** from the Plymouth Marine Laboratory, UK.

Raw P:I curves for ^{33}P uptake were obtained by **Lei Chou** and **Kinh Trang Dotansi** from Brussels Free University (ULB), Belgium.

ADCP and Drifting Buoy Data

The ADCP and drifting buoy data presented on the CD-ROM were worked up and supplied by **Ricardo Torres**, under the supervision of **Des Barton**, from the University of Wales, Bangor.